Introduction

The RFD8500 reader provides Radio Frequency Identification (RFID), with optional barcode scanning functionality. The unit can be used stand alone, or paired with a Bluetooth® wireless technology enabled host device (such as a mobile computer and/or smartphone).

Features

- **RFID Antenna Compartment**
- **USB Port**
- **Power Button**
- **Power/Charging Indicator**
- **Trigger**
- **Battery Cover/Compartment**
- **Battery Cover Release Buttons**
- **Imager Window (imager units only)**
- **Mode Button**
- **Mode Indicator**
- **Charging Contacts**
- **Decode/RFID Read Indicator**
- **Bluetooth Indicator**
- **Bluetooth Button**
- **Beeper**

Inserting the Battery

1. Align the three tabs on the bottom of the battery with the three slots in the battery compartment.
2. Press battery towards three battery slots then press down until it locks into place.

Removing the Battery

Press in and remove battery as shown.

Inserting the Mobile Computer into the RFD8500

1. Insert the mobile computer into the mobile computer slot on the RFD8500.
2. Secure the mobile computer to the RFD8500 using the battery cover.

Removing the Mobile Computer from the RFD8500

To remove the mobile computer, press the battery cover release buttons, and pull the mobile computer back and up.

Charging

Before using the RFD8500 for the first time, charge the battery until the LED Power/Charging Indicator turns solid green. To charge the RFD8500, use the Micro USB cable, cup charger, or cradle. The Three Slot Charge Only cradle can be used to charge any combination of devices including the RFD8500, TC55, and a dual battery charger.

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RFD8500 Quick Start Guide

Optimum RFID Tag Decoding

1. Set the RFD8500 to barcode mode.
2. Aim the device at the barcode.
3. Press the trigger on the handle.

The scan/decode LED lights, and a beep sounds to indicate a successful decode.

Optimum Upright Body Posture

Taking breaks and task rotation recommended

Avoid extreme wrist angles

Taking breaks and task rotation recommended

Avoid extreme wrist angles

Avoid bending

Alternate left and right hand

Use a ladder

Avoid reaching

Use a ladder

Using the Pairing/Locate Device Barcode

You can pair several RFD8500 devices to your mobile device via Bluetooth.

When you pair several RFD8500 devices with your mobile device, use the serial number represented by the Locate Device barcode to identify the paired RFD8500.

Pairing with an iOS Device

To pair with an iOS device, such as the iPhone 6:

1. Power on the iOS device.
2. Touch the Settings icon.
3. Turn Bluetooth on.
4. Turn the RFD8500 on and ensure Bluetooth is enabled. If not, press the Bluetooth button on the RFD8500 for one second to make it discoverable. When discoverable, the Bluetooth LED slowly flashes blue.
5. Touch the RFD8500 in the list of available discoverable devices, and the Bluetooth LED slowly flashes blue.
6. Touch the RFD8500 in the list of available discoverable devices, and confirm the RFD8500 is connected.
7. Exit the OS Device Settings screen, and run the RFID Demo Application.
8. From the Demo Application, select Settings > Readers List and confirm the RFD8500.

Pairing with an Android Device

To pair with an Android device, such as the TC55:

1. Power on the TC55.
2. Touch the Settings icon.
3. Turn Bluetooth on.
4. Turn the RFD8500 on and ensure Bluetooth is enabled. If not, press the Bluetooth button on the RFD8500 for one second to make it discoverable. When discoverable, the Bluetooth LED slowly flashes blue.
5. Touch the RFD8500 in the list of available discoverable devices, and press the RFD8500 trigger to pair when the Bluetooth LED starts flashing fast.
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7. Exit the TC55 Device Settings screen, and run the RFID Demo Application.
8. From the Demo Application, select Settings > Readers List and confirm the RFD8500.

Transferring Data Via USB

By default, the RFD8500 is not configured to transfer data via the USB port. Use the Cable Scanner SDK Driver Utilities site. For detailed information about transferring data, refer to the RFD8500 RFID Developer Guide, p/n MN002065AXX.

Scanning with the RFD8500 (Imager Units Only)

1. Set the RFD8500 to barcode mode.
2. Aim the device at the barcode.
3. Press the trigger on the handle.

The scan/decode LED lights, and a beep sounds to indicate a successful decode.

Epleyʼs Upright Body Posture for Low Scanning

Epleyʼs Body Posture for Low Scanning

Epleyʼs Body Posture for High Scanning

Avoid extreme wrist angles

Taking breaks and task rotation recommended

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Optimum RFID Body Posture

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Optimum Body Posture for Low Scanning

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Optimum Body Posture for High Scanning

Body Posture

Optimum Body Posture

Body Posture

Body Posture

Body Posture

Body Posture

Other error message Solid red No beep

RFID error Amber No beep

Good RFID read Solid green (for each read) Short medium beep

Transmit error Solid amber for 2 seconds No beep for RFID/4 beeps for...